

# SEQUENCE LISTING

<110> The Regents of the University of California

<120> METHODS AND COMPOUNDS FOR MODULATING MELANOCORTIN  
RECEPTOR-LIGAND BINDING

<130> UCAL-257/00WO

<140>

<141>

<160> 3

<170> PatentIn Ver. 2.0

<210> 1

<211> 132

<212> PRT

<213> Homo sapiens

<400> 1

Met	Leu	Thr	Ala	Ala	Leu	Leu	Ser	Cys	Ala	Leu	Leu	Leu	Ala	Leu	Pro
1				5					10					15	

Ala	Thr	Arg	Gly	Ala	Gln	Met	Gly	Leu	Ala	Pro	Met	Glu	Gly	Ile	Arg
		20					25						30		

Arg	Pro	Asp	Gln	Ala	Leu	Leu	Pro	Glu	Leu	Pro	Gly	Leu	Gly	Leu	Arg
		35					40					45			

Ala	Pro	Leu	Lys	Lys	Thr	Thr	Ala	Glu	Gln	Ala	Glu	Glu	Asp	Leu	Leu
		50				55					60				

Gln	Glu	Ala	Gln	Ala	Leu	Ala	Glu	Val	Leu	Asp	Leu	Gln	Asp	Arg	Glu
	65				70					75				80	

Pro	Arg	Ser	Ser	Arg	Arg	Cys	Val	Arg	Leu	His	Glu	Ser	Cys	Leu	Gly
				85					90					95	

Gln	Gln	Val	Pro	Cys	Cys	Asp	Pro	Cys	Ala	Thr	Cys	Tyr	Cys	Arg	Phe
			100						105					110	

Phe	Asn	Ala	Phe	Cys	Tyr	Cys	Arg	Lys	Leu	Gly	Thr	Ala	Met	Asn	Pro
		115						120					125		

Cys	Ser	Arg	Thr
			130

<210> 2

<211> 46

<212> PRT

<213> Homo sapiens

<400> 2

Cys Val Arg Leu His Glu Ser Cys Leu Gly Gln Gln Val Pro Cys Cys  
1 5 10 15

Asp Pro Cys Ala Thr Cys Tyr Cys Arg Phe Phe Asn Ala Phe Cys Tyr  
20 25 30

Cys Arg Lys Leu Gly Thr Ala Met Asn Pro Cys Ser Arg Thr  
35 40 45

<210> 3

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

<400> 3

Cys Val Arg Leu His Glu Ser Cys Leu Gly Gln Gln Val Pro Cys Cys  
1 5 10 15

Asp Pro Ala Ala Thr Cys Tyr Cys Arg Phe Phe Asn Ala Phe Cys Tyr  
20 25 30

Cys